PATENT ABSTRACTS OF JAPAN

(11)Publication number :	06-205025
(43)Date of publication of application :	22.07.1994

(51)Int.Cl.	H04L 12/42
	G06F 13/00

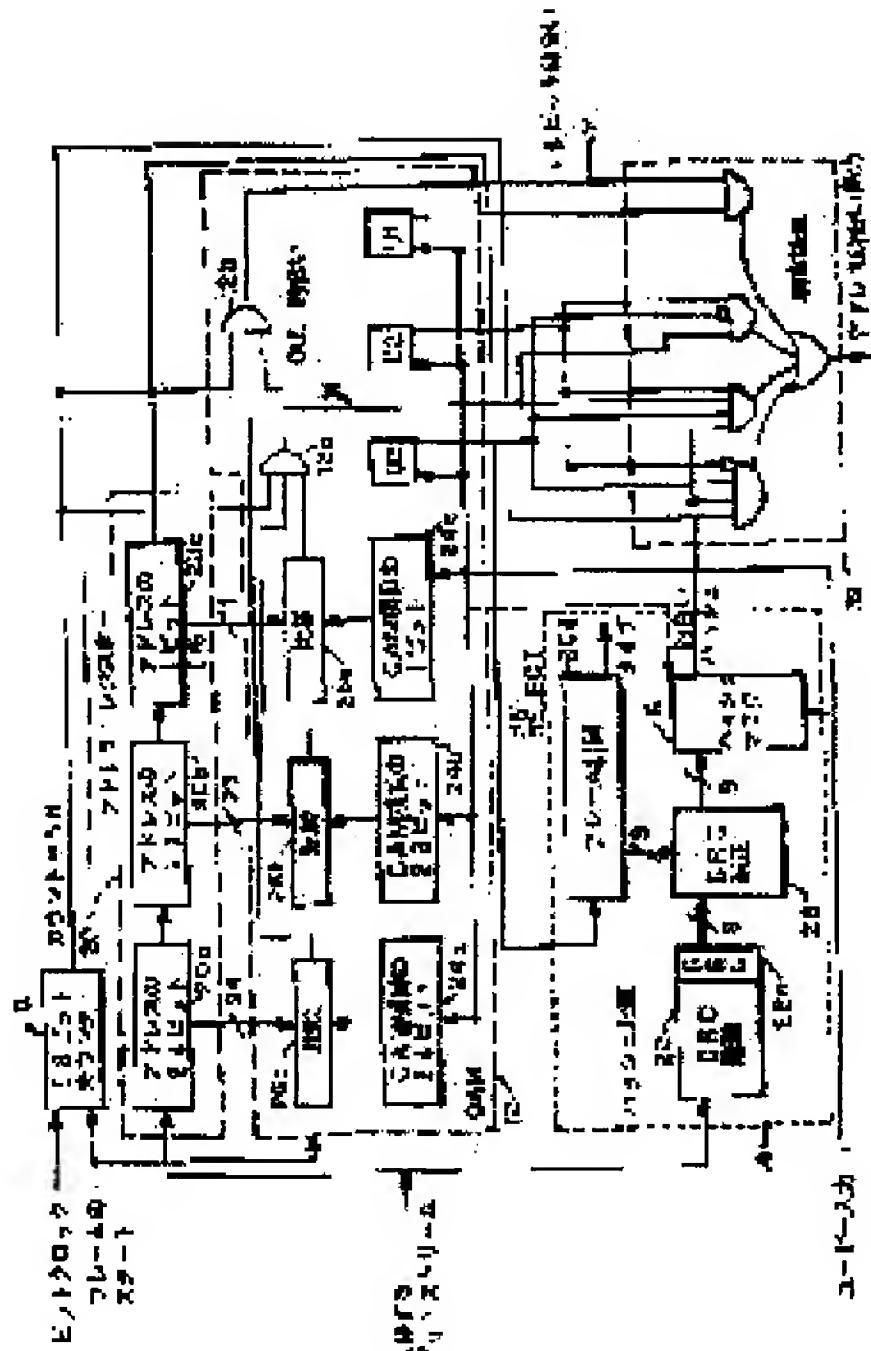|			
(21)Application number :	04-169057	(71)Applicant :	DIGITAL EQUIP CORP <DEC>
(22)Date of filing :	26.06.1992	(72)Inventor :	JAIN RAJENDRA KUMAR
			YANG HENRY S
			HAWE WILLIAM R

(30)Priority

Priority number :	91 721166	Priority date :	26.06.1991	Priority country :	US

(54) COMBINATION HASH TABLE AND CAM ADDRESS RECOGNITION

(57)Abstract:

PURPOSE: To effectively recognize a LAN address as easily as possible.
CONSTITUTION: An address comparator stores a received address 1st value, discriminates whether or not a section corresponding to a 2nd value is stored by comparing that entire stored address or one part with values which is stored more than one in a memory (content address designable memory) 12 and discriminates whether or not the 1st value is recognized by a hash mask 16 by filtering the 1st value. For example, the received address is first applied to cycle redundancy check(CRC) generators 22 and 28 and plural (nine, for example), CRC bits are used for accessing the hash mask 16. Further, when the memory 12 has an item equal with the entire received address or its one part and the CRC of received address is recognized by a hash filter 14, it is declared that the 1st value is equal to the 2nd value.

LEGAL STATUS
[Date of request for examination]
[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]